

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/023215 A3

(51) International Patent Classification⁷: **G03G 9/00**

(21) International Application Number:
PCT/US2003/025852

(22) International Filing Date:
9 September 2003 (09.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/408,878 9 September 2002 (09.09.2002) US

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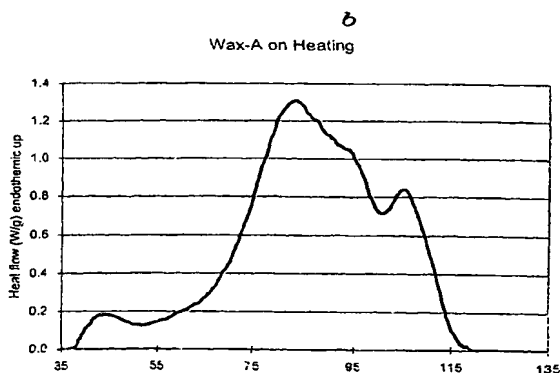
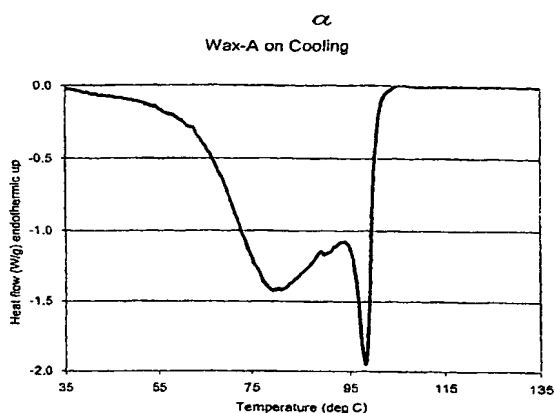
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: **ELECTROSTATIC TONER COMPOSITION TO ENHANCE COPY QUALITY BY IMPROVED FUSING AND METHOD OF MANUFACTURING SAME**



(57) Abstract: An electrostatic developer is provided that contains toner-containing image-forming particles and an uncrosslinked, linear hydrocarbon based homopolymer wax component, wherein the wax has a total number of branches in each of one or more chains that is less than 0.5%, relative to total number of carbons in said wax; wherein the wax is further characterized by having a set of endotherms as determined by differential scanning calorimetry (DSC) run at a maximum rate of 10°C per minute, these endotherms being characterized by a primary endotherm and at least a secondary endotherm, the primary endotherm exhibiting a temperature range of between 70°C and 90°C, and the secondary endotherm exhibiting a temperature range of between 95°C and 110°C, and wherein the wax has a crystallinity of from 75% to 90% as determined by small angle X-ray diffraction analysis.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
26 August 2004

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25852

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G03G 9/00

US CL : 430/108.8

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 430/108.8

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,364,722 A (TANIKAWA et al.) 15 November 1994 (15.11.1994), claims, figure 6, col. 8 line 56 - col. 9 line 6.	1-20
X	US 2001/0033983 A (OHNO et al.) 25 October 2001 (25.10.2001), Fig. 6, paragraphs 85-98.	1-20

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☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

15 June 2004 (15.06.2004)

Date of mailing of the international search report

06 JUL 2004

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